

Attorney Docket No. 47992/58118 (formerly NII-05065)  
U.S.S.N.: 09/597,920  
Filed: June 19, 2000.  
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This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

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Claim 1- 72 (canceled)

73. (previously added) A purified antibody which is generated against a polypeptide comprising at least about five amino acids of the amino acid sequence of SEQ ID NO: 4 and which specifically binds to a LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4.
74. (currently amended) The purified antibody of Claim 73, wherein the polypeptide [comprising at least about five amino acids] comprises at least about 20 amino acids of SEQ ID NO: 4.
75. (currently amended) The purified antibody of Claim 73, wherein the polypeptide [comprising at least about five amino acids] comprises SEQ ID NO: 4.
76. (currently amended) The purified antibody of Claim 74, wherein said polypeptide [comprising at least about twenty amino acids of the amino acid sequence of SEQ ID NO: 4] comprises the cytosolic tail of LAT.
77. (previously added) The purified antibody of claim 76, wherein said polypeptide comprising at least about twenty amino acids of the amino acid sequence of SEQ ID NO: 4 comprises amino acids 31-233 of LAT.
78. (previously added) The purified antibody of any of claims 73-77, wherein the antibody is a polyclonal antibody.

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79. (previously added) The purified antibody of any of claims 73-77, wherein the antibody is a monoclonal antibody.
80. (previously added) A purified antibody which is generated against a polypeptide comprising at least about five amino acids of the amino acid sequence of SEQ ID NO: 4, wherein the at least about five amino acids comprises a phosphotyrosine residue and wherein the antibody specifically binds to a phosphorylated LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4.
81. (previously added) The purified antibody of claim 80, wherein the polypeptide comprising at least about five amino acids comprises at least about 20 amino acids of SEQ ID NO: 4.
82. (previously added) The purified antibody of claim 80, wherein the polypeptide comprising at least about five amino acids comprises SEQ ID NO: 4.
83. (previously added) The purified antibody of any of claims 80-82, wherein the antibody is a polyclonal antibody.
84. (previously added) The purified antibody of any of claims 80-82, wherein the antibody is a monoclonal antibody.
85. (New) The purified antibody of any of claims 73-77 or 80-82, wherein the antibody immunoprecipitates a 40 kd protein from a lysate of 293T cells transfected with a LAT cDNA comprising a nucleic acid sequence according to SEQ ID NO: 1, but which does not immunoprecipitate said 40kd protein from a lysate of non-transfected cells.
86. (New) The purified antibody of claim 85, wherein the antibody is a polyclonal antibody.

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87. (New) The purified antibody of claim 85, wherein the antibody is a monoclonal antibody.
88. (New) The purified antibody of any of claims 73-77 or 80-82, wherein the antibody does not stain endothelial cells.
89. (New) The purified antibody according to claim 88, wherein the antibody is a polyclonal antibody.
90. (New) The purified antibody according to claim 88, wherein the antibody is a monoclonal antibody.
91. (New) A method of making a purified antibody which specifically binds to a LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4 comprising:  
a) immunizing an animal with a polypeptide antigen comprising at least about five amino acids of the amino acid sequence of SEQ ID NO: 4; and  
b) isolating the antibody from said animal.
92. (New) The method of claim 91, wherein the antibody is a polyclonal antibody.
93. (New) A method of making a purified antibody which specifically binds to a LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4 comprising:  
a) immunizing an animal with a polypeptide antigen comprising at least about five amino acids of the amino acid sequence of SEQ ID NO: 4  
b) isolating antibody-producing cells from the animal;  
c) fusing the antibody producing cells with immortalized cells in culture to form antibody-producing cells;

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- d) culturing the cells; and
- e) isolating from the culture, antibodies which bind specifically to a LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4.

94. (New) The method of claim 93, wherein the antibody is a monoclonal antibody.
95. (New) The method of any of claims 91-94, wherein the polypeptide antigen comprises at least 20 amino acids of the amino acid sequence of SEQ ID NO: 4.
96. (New) The method of any of claims 91-94, wherein the polypeptide antigen comprises the amino acid sequence of SEQ ID NO: 4.
97. (New) The method of claim 95, wherein the polypeptide antigen comprises the cytosolic tail of a LAT comprising an amino acid sequence according to SEQ ID NO: 4.
98. (New) The method of claim 95, wherein the polypeptide antigen comprises amino acids 31-233 of a LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4.
99. (New) The method of any of claims 91-94, wherein the polypeptide antigen comprises a phosphotyrosine and the antibody specifically binds to a phosphorylated LAT polypeptide comprising an amino acid sequence according to SEQ ID NO: 4.
100. (New) The method of any of claims 91-94, wherein the antibody immunoprecipitates a 40 kd protein from a lysate of 293T cells transfected with a LAT cDNA comprising a nucleic acid sequence according to SEQ ID NO: 1, but which does not

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immunoprecipitate said 40kd protein from a lysate of non-transfected cells.

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101. (New) The method of any of claims 91-94, wherein the antibody does not stain endothelial cells.
102. (New) The method of claim 101, wherein the antibody immunoprecipitates a 40 kd protein from a lysate of 293T cells transfected with a LAT cDNA comprising a nucleic acid sequence according to SEQ ID NO: 1, but which does not immunoprecipitate said 40kd protein from a lysate of non-transfected cells.
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